

### <u>IN THE UNITED STATES PATENT OFFICE</u>

Application Serial No. 10/774,506

CUSTOMER NO. 23607

Our Ref.: PT-2063001

Applicant:

Brantford Chemicals Inc.

Agent:

Ivor M. Hughes

Barrister & Solicitor

Patent & Trademark Agents

Suite 200

175 Commerce Valley Dr. W.

Thornhill, Ontario Canada L3T 7P6

Title:

A PROCESS FOR THE PREPARATION OF

TETRAHYDROTHIENO[3,2-c] PYRIDINE DERIVATIVES

**Inventors:** 

Robert P. Smyj

Gamini Weeratunga

Filing Date:

February 10, 2004

Due Date:

May 10, 2004

# INFORMATION DISCLOSURE STATEMENT

April 26, 2004

#### VIA COURIER

U.S. Patent and Trademark Office 2011 South Clark Place Customer Window, Mail Stop Patent Application Crystal Plaza Two, Lobby, Room 1B03 Arlington, Virginia USA 22202

Dear Sir:

Applicants and the undersigned are aware of "patents, publications, or other information" which they believe may be material to the examination of the above-identified application. Copies of these items, and one sheet of Form PTO-1449 listing them, are submitted herewith pursuant to 37 C.F.R. §§ 1.97-1.99 and to the duty of disclosure set forth in 37. C.F.R. § 1.56.

- 2 -

Applicant believes that a fee is not required for the filing of the enclosed

Information Disclosure Statement (IDS) as Applicant has not received an Office

Action todate (see 37 CFR 1.97). However, if a fee is required for the filing of this

IDS, please obtain such fee from Deposit Account 08-3255 and advise Applicant's

Agent.

Although this IDS identifies references which may be "material," it is not

intended to constitute an admission that any patent, publication, or other

information referred to is "prior art" (within the meaning of 35 U.S.C. §102 and §103)

as to the invention disclosed and claimed in this application unless specifically

designated as such. Moreover, no representation is intended as to the relative

relevance of any portion of the references or as to the relevance among references,

whether cited in this Statement or elsewhere.

In accordance with 37 C.F.R. §1.97(b), the filing of this IDS shall not be

construed to mean that a novelty search has been made or that no other information

which may be material (as defined in 37 C.F.R. §1.56(a)) exists.

**UNITED STATES PATENT DOCUMENTS** 

US 4,051,141

US 4,127,580

US 4,529,596

US 4,847,265

US 6,495,691

FOREIGN PATENT DOCUMENTS

FR Pat 2,424,278

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

"New Synthesis of Thieno [3,2-c] Pyridine", Heterocycles, 1979, Vol. 12, No. 11, p. 1479-1482

"Steps for Troubleshooting a Process", Practical Process Research & Development, by Anderson, N.G., Academic Press, 2000, p. 323-324

"Benzylation via Tandem Grignard Reaction – Iodotrimethylsilane (TMSI) Mediated Reduction", Tetrahedron, 1995, Vol. 51, No. 41, p. 11043-11062

"Synthetic Methods and Reactions. 621 Transformations with Chlorotrimethylsilane/Sodium Iodide, a Convenient in Situ Iodotrimethylsilane Reagent", J. Org. Chem., 1979, Vol. 44, No. 8, p. 1247-1251

If the Examiner has any questions, he is respectfully requested to contact Applicants' Agent, Marcelo K. Sarkis at (905) 771-6414 collect at his convenience.

Respectfully submitted,

Marcelo K. Sarkis, P.En Registration No. 37,015 Agent for Applicant

MKS:mse Enclosures

# CITATION OF PRIOR ART

APR 2 7 2004

		/CA			
FORM PT0-1449	U.S. DEPARTME	ENT OF COMMERCES TRA	LASTY, DOCKET NO.	APPLICATION SERIAL NO.	
(REV. 8-83)	PATENT AND T	RADEMARK OFFICE	PT-2063001	10/774,506	
INFORMATION DISCLOSURE CITATION			APPLICANT		
(Use several sheets if necessary)			Brantford Chemicals Inc.		
CUSTOME	R NO. 23607		FILING DATE	GROUP ART UNIT	
COOTOME.			February 10, 2004		

### **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,051,141	09/27/77	Castaigne	260	294.8	02/20/76
	4,127,580	11/28/78	Braye	546	114	03/07/77
	4,529,596	07/16/85	Aubert, et al	514	231	07/05/83
	4,847,265	07/11/89	Badorc, et al	514	301	02/12/88
	6,495,691	12/17/02	Horne, et al	546	114	07/11/01
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### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2,424,278	04/24/78	France	495	04	Yes

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"New Synthesis of Thieno [3,2-c] Pyridine", Heterocycles, 1979, Vol. 12, No. 11, p. 1479-1482			
	"Steps for Troubleshooting a Process", Practical Process Research & Development, by Anderson, N.G.,			
	Academic Press, 2000, p. 323-324			
	"Benzylation via Tandem Grignard Reaction - Iodotrimethylsilane (TMSI) Mediated Reduction",			
	Tetrahedron, 1995, Vol. 51, No. 41, p. 11043-11062			
	"Synthetic Methods and Reactions. 621 Transformations with Chlorotrimethylsilane/Sodium Iodid Convenient in Situ Iodotrimethylsilane Reagent", J. Org. Chem., 1979, Vol. 44, No. 8, p. 1247-1251			
EXAMINER	DATE CONSIDERED			
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